

Title (en)
Machine tool

Title (de)
Maschinenwerkzeug

Title (fr)
Machine-outil

Publication
EP 1897640 A1 20080312 (EN)

Application
EP 07017505 A 20070906

Priority
JP 2006244670 A 20060908

Abstract (en)
A machine tool capable of structuring a turret disposed at a lower portion of a slant face to be movable in the Y-axis direction without causing an increase in the entire machine in size, in which a first turret 5 is structured to include a base member 8 disposed on a bed 2 in a movable manner in a Z-axis direction, a slide base 9 disposed on the base member 8 in a movable manner in an X-axis direction, a pair of X-axis feed mechanisms 10, 10 moving the slide base 9 in the X-axis direction, a ram 11 disposed at a portion of the slide base 9 and between the pair of X-axis, feed mechanisms 10, 10 in a movable manner in a Y-axis direction being orthogonal to a plane including the X-axis and Z-axis, and a turret body 12 and a turret head 13 mounted on the ram 11, is provided.

IPC 8 full level
B23B 3/16 (2006.01); **B23Q 39/02** (2006.01)

CPC (source: EP US)
B23B 3/168 (2013.01 - EP US); **B23B 29/323** (2013.01 - EP US); **B23Q 1/015** (2013.01 - EP US); **B23Q 39/026** (2013.01 - EP US); **B23Q 2039/004** (2013.01 - EP US); **Y10T 29/5153** (2015.01 - EP US); **Y10T 82/2508** (2015.01 - EP US)

Citation (search report)
[DA] EP 0538515 A1 19930428 - INDEX WERKE KG HAHN & TESSKY [DE]

Cited by
US11559868B2; CN101869992A; CN108273790A; JP2014515995A; EP2548680A3; CN107088973A; US9126266B2; US9156119B2; EP3663026A4; WO2012163699A1; WO2012163701A1; WO2012163698A1; US9687912B2; US11192150B2; US8978219B2; US9421616B2

Designated contracting state (EPC)
DE IT

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1897640 A1 20080312; **EP 1897640 B1 20090325**; DE 602007000762 D1 20090507; JP 2008062357 A 20080321; JP 4171507 B2 20081022; US 2008066592 A1 20080320

DOCDB simple family (application)
EP 07017505 A 20070906; DE 602007000762 T 20070906; JP 2006244670 A 20060908; US 89692107 A 20070906